Question 1

Answer saved

Marked out of 1.00

Flag question

_____ refers to the data that have been processed in such a way as to increase the knowledge of the person who uses the data.

Select one:

- a. Information
- b. Metadata
- c. Data
- d. Database

Question 3

Not yet answered

Marked out of 1.00

Flag question

_____are persons who are responsible for physical database design and for managing technical issues in the database environment.

Select one:

- a. System Developers
- b. End Users
- c. Database Administrators
- d. System Analysts

Question 2

Answer saved

Marked out of 1.00

Flag question

_____ is an organized group of related data which is designed, built and populated for a specific purpose.

Select one:

- a. Database Application
- b. Database
- c. Database Users
- d. Record

Question 4

Not yet answered

Marked out of 1.00

Flag question

_____ is an organized collection of logically related data, usually designed to meet the information needs of multiple users in an organization.

Select one:

- a. CASE Tools
- b. Database
- c. Repository
- d. User Interface

Question 5

Answer saved

Marked out of 1.00

Flag question

In hashed file organization, there is no extra space required for addition and deletion of records after initial set of records is loaded.

Select one:

- a. True
- b. False

Question 6

Not yet answered

Marked out of 1.00

Flag question

_____ is an application program that is used to perform a series of database activities (create, read, update and delete) on behalf of database users.

Select one:

- a. Database Users
- b. Database Application
- c. Record
- d. Database

Question 8

Not yet answered

Marked out of 1.00

Flag question

_____ includes languages, menus, and other facilities by which users interact with various system components.

Select one:

- a. Repository
- b. CASE Tools
- c. User Interface
- d. Application Programs

Question 7

Not yet answered

Marked out of 1.00

Flag question

It is a file organization technique where the address of each record is determined using an algorithm that converts primary key value into a record address.

Select one:

- a. Heap file organization
- b. Hashed file organization
- c. Sequential file organization
- d. Indexed file organization

Question 9

Not yet answered

Marked out of 1.00

Flag question

_____such as systems analysts and programmers who design new application programs.

Select one:

- a. System Developers
- b. Database Developers
- c. Database Administrators
- d. End Users

Question 10

Not yet answered

Marked out of 1.00

Flag question

It corresponds to a table in the ER model.

Select one:

- a. ER Diagram
- b. Entity
- c. Relation
- d. Attribute

Question 12

Answer saved

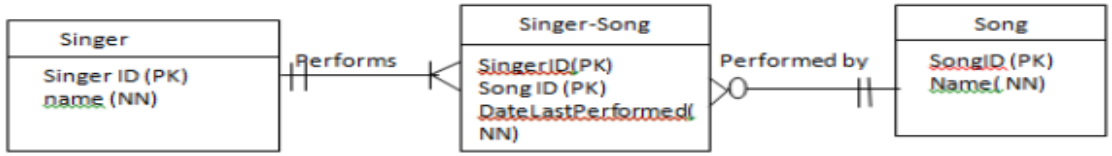
Marked out of 1.00

Flag question

A symphony orchestra performs many concerts where singers perform their songs. A singer has name and ID and each song has its ID and name. Each song may require one or more singers or may not require a singer. A singer may perform one or more songs at a given concert . The symphony orchestra wishes to record the date when a singer last performed a given song. (Date Last Performed).

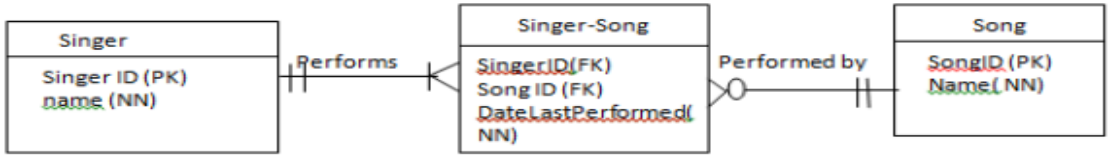
Select one:

a.



b.

c.



d.

Question 11

Answer saved

Marked out of 1.00

Flag question

The person who are responsible for the overall management of data resources in an organization is referred as:

Select one:

- a. End Users
- b. Application programmers
- c. Data administrators
- d. System developers

Question 13

Not yet answered

Marked out of 1.00

Flag question

A database system environment consists of the following:

Select one:

- a. Application Programs; DBMS Software; Database Applications
- b. Application Programs; DBMS Users; Stored Database
- c. Stored Database; Data Servers; DBMS Users;
- d. Application Programs; DBMS Software; Stored Database

Question 14

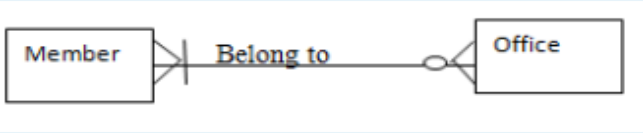
Not yet answered

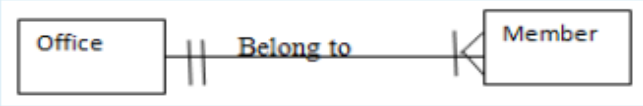
Marked out of 1.00

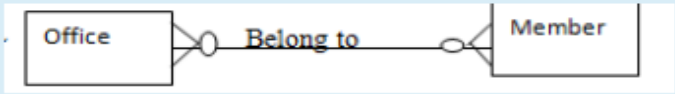
Flag question

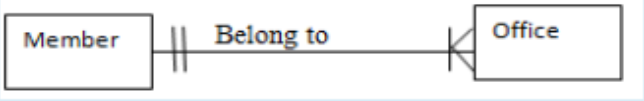
Choose the ER diagram for the given scenario: An office has one or more members and a member belongs to exactly one office.

Select one:

a. 

b. 

c. 

d. 

Question 15

Not yet answered

Marked out of 1.00

Flag question

It is a model in which cross-reference keys are used to link the tables together, representing the relationships between entities

Select one:

- a. Hierarchical database model
- b. Relational database model
- c. Object-oriented database model
- d. Network database model

Question 16

Not yet answered

Marked out of 1.00

Flag question

_____ are persons throughout the organisation who add, delete, and modify data in the database and who request or receive information from it.

Select one:

- a. End Users
- b. Database Administrators
- c. System Analysts
- d. System Developers

Question 17

Not yet answered

Marked out of 1.00

Flag question

It is a file organization technique where records in the file are stored in sequence according to the primary key value.

Select one:

- a. Heap file organization
- b. Indexed file organization
- c. Sequential file organization
- d. Hashed file organization

Question 18

Not yet answered

Marked out of 1.00

Flag question

It is a model of database management system that links records together in a tree data structure such that each record type has only one owner.

Select one:

- a. Network database model
- b. Hierarchical database model
- c. Object-oriented database model
- d. Relational database model

Question 19

Not yet answered

Marked out of 1.00

Flag question

_____ is a software system that is used to create, maintain, and provide controlled access to the user databases.

Select one:

- a. User Interface
- b. CASE Tools
- c. DBMS
- d. Repository

Question 20

Not yet answered

Marked out of 1.00

Flag question

In hashed file organization, extra space may be need to allow for addition and deletion of records after initial set of records is loaded.

Select one:

- a. True
- b. False

Question 21

Not yet answered

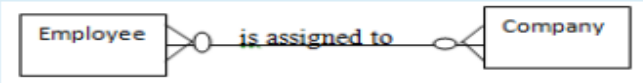
Marked out of 1.00

Flag question

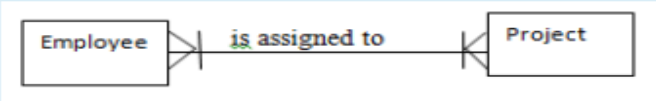
Al-Musawi Construction company employs may employees working on different projects where a project must be assigned to at least one employee, and may be assigned to many employees. An employee can be assigned to any number of projects, or may not be assigned to any at all.

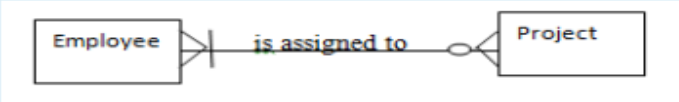
Identify the ER diagram specific to the above scenario:

Select one:

a. 

b.

c. 

d. 

Question 22

Not yet answered

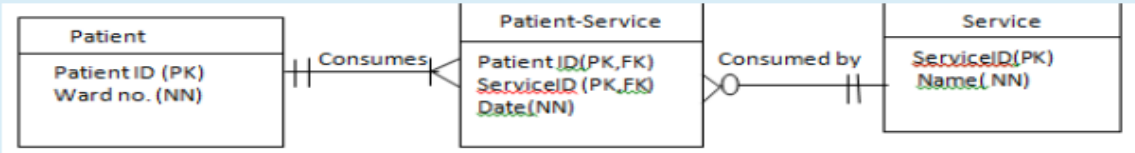
Marked out of 1.00

Flag question

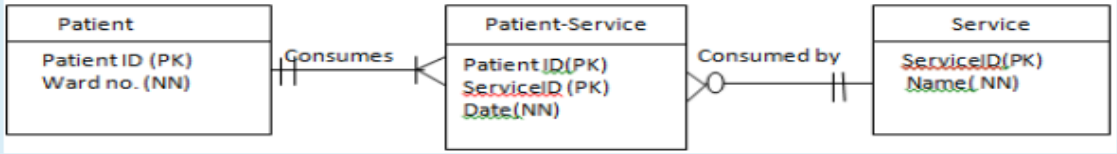
In a hospital, patients are identified by patient ID and ward number. Patients are treated with various services identified by service ID and name. A patient may consume any number of services. A given service may be consumed by one or more patients, or may not be consumed. For each service consumed by a patient, the hospital records the date when the service is consumed.

Select one:

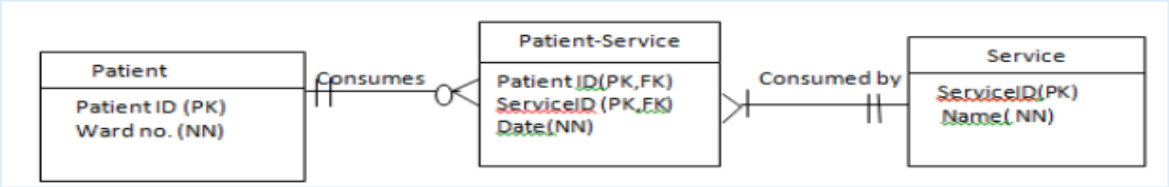
a.



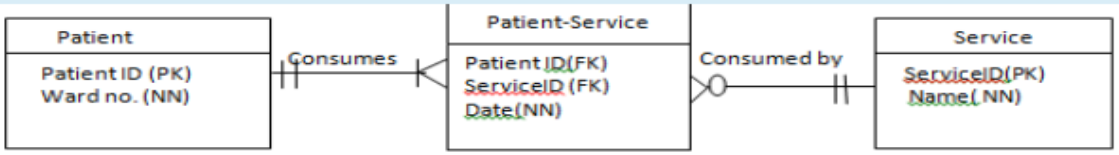
b.



c.



d.



Question 23

Not yet answered

Marked out of 1.00

Flag question

_____ is a collection of programs that enable users to create and maintain a database.

Select one:

- a. Record
- b. DBMS
- c. Database
- d. Database Application

Question 24

Not yet answered

Marked out of 1.00

Flag question

It is a file organization technique where records are store either sequentially or non-sequentially and a table, that is used to determine the location of rows in a file that satisfy some condition is created that allows application software to locate individual records.

Select one:

- a. Heap file organization
- b. Sequential file organization
- c. Indexed file organization
- d. Hashed file organization

Question 25

Not yet answered

Marked out of 1.00

Flag question

_____ contains information such as the structure of each file, the type and storage format of each data item, and various constraints on the data.

Select one:

- a. Database Application
- b. Attribute
- c. Database Users
- d. System catalog

Question 26

Not yet answered

Marked out of 1.00

Flag question

It is one of the disadvantages of File Processing System.

Select one:

- a. Program-data independence
- b. Limited data sharing
- c. Improved data consistency
- d. None of the above

Question 27

Not yet answered

Marked out of 1.00

Flag question

_____ refers to data that describe the properties or characteristics of end-user data, and the context of that data.

Select one:

- a. Information
- b. Attribute
- c. Metadata
- d. Data

Question 28

Not yet answered

Marked out of 1.00

Flag question

Each publisher has a unique name; a mailing address and telephone number are also kept on each publisher. A publisher publishes one or more books; a book is published by exactly one publisher. A book is identified by its ISBN, and other attributes are title, price, and number of pages. Identify the ER diagram specific to the above scenario:

Select one:

a.

b.

c.

d.

Question 29

Not yet answered

Marked out of 1.00

Flag question

In Sequential file organization, there is waste of storage space.

Select one:

- a. True
- b. False

Question 30

Not yet answered

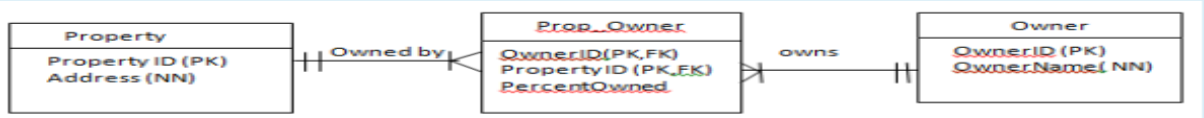
Marked out of 1.00

Flag question

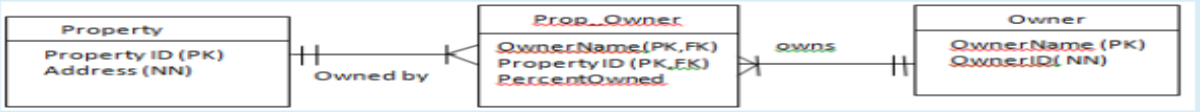
A Firm buys properties from Owners for selling them. Each unit of property has one or more owners.Attributes of owners are Owner ID (identifier) and Owner Name. Attributes of property include Property ID (identifier) and Address. An owner may own one or more units of property. An attribute of the relationship between property and owner is Percent Owned.

Select one:

a.



b.



c.

d.

Question 31

Not yet answered

Marked out of 1.00

Flag question

Which of the following are not the Components of database environment?

Select one:

- a. Database Administrators, System Developers, End Users
- b. Database Administration, Files, Managers
- c. CASE Tools, User Interface, Application Programs
- d. CASE Tools, Repository, DBMS, Database

Question 32

Not yet answered

Marked out of 1.00

Flag question

In indexed file organization, there is waste of storage space for data and extra space is required for the index.

Select one:

- a. False
- b. True

Question 33

Not yet answered

Marked out of 1.00

Flag question

Which of the following are the tools used to design databases and application programs?

Select one:

- a. Repository
- b. DBMS
- c. Computer-aided software engineering
- d. User Interface

Question 34

Not yet answered

Marked out of 1.00

Flag question

Select which one of the following is not considered as a benefit of the database technology:

Select one:

- a. Improved data inconsistency
- b. Improved decision-support
- c. Improved data quality
- d. Program-data independence

Question 35

Not yet answered

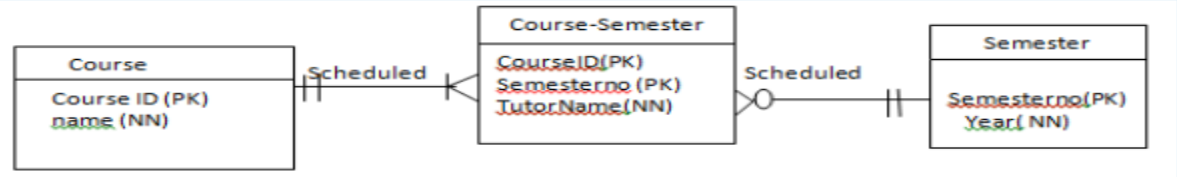
Marked out of 1.00

Flag question

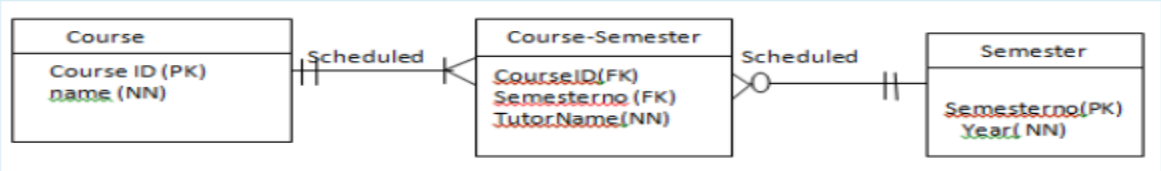
A college course may have one or more scheduled semesters, or may not have a scheduled semester. Attributes of course include CourseID, Course Name. Attributes of Semester include semester number and year. A semester can be scheduled with one or more courses. The college stores the tutor name whenever the course is scheduled for a semester. Which of the below ER diagram represents the scenario.

Select one:

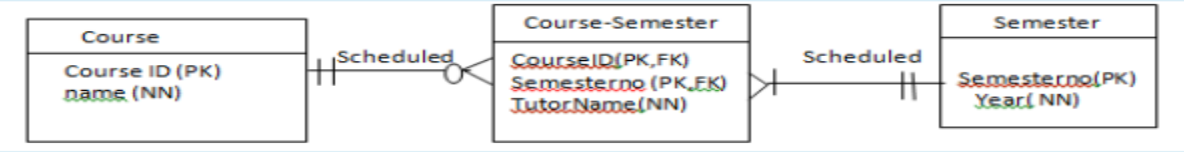
a.



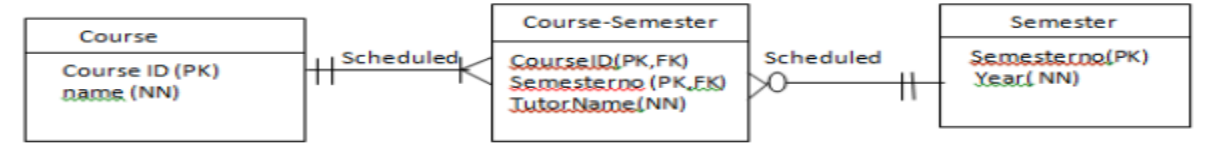
b.



c.



d.



Question 36

Not yet answered

Marked out of 1.00

Flag question

Properties of a Car include Car Plate no., Model, Manufacturer. These properties of car are referred to as :

Select one:

- a. Relation
- b. Entity
- c. ER diagram
- d. Attribute

Question 37

Not yet answered

Marked out of 1.00

Flag question

It is a database model which is expressed in terms of entities, attributes and associations among entities.

Select one:

- a. Database model
- b. ER model
- c. Network Model
- d. Hierarchical model

Question 38

Not yet answered

Marked out of 1.00

Flag question

_____ are used to create and maintain the database and provide information to users.

Select one:

- a. User Interface
- b. CASE Tools
- c. System Developers
- d. Application Programs

Question 39

Not yet answered

Marked out of 1.00

Flag question

It is a group of tools used to design databases and application programs.

Select one:

- a. DBMS
- b. Data Model
- c. Repository
- d. Computer-aided software engineering

Question 40

Not yet answered

Marked out of 1.00

Flag question

It is a degree of relationship in which an entity is related to the instances of the same entity.

Select one:

- a. None of the above
- b. Unary Relationship
- c. Ternary Relationship
- d. Binary Relationship

Question 41

Not yet answered

Marked out of 1.00

Flag question

In indexed file organization, there is no waste of storage space for data but extra space is required for the index.

Select one:

- True
- False

Question 42

Not yet answered

Marked out of 1.00

Flag question

It is a file organization technique that locates a specific record by scanning the whole file from beginning until the desired record.

Select one:

- a. Indexed file organization
- b. Hashed file organization
- c. Sequential file organization
- d. Heap file organization

Question 43

Not yet answered

Marked out of 1.00

Flag question

Select which one of the following is considered as a disadvantage of file processing system:

Select one:

- a. High data sharing
- b. Less program maintenance
- c. Program-data independence
- d. Lengthy development times

Question 44

Not yet answered

Marked out of 1.00

Flag question

It is a technique for physically arranging the records of a file on secondary storage device.

Select one:

- a. Data Model
- b. Normalization
- c. Database Architecture
- d. File Organization

Question 45

Not yet answered

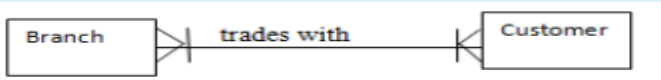
Marked out of 1.00

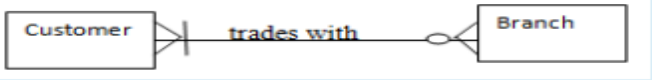
Flag question

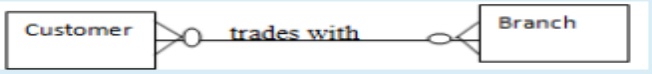
Al-Rawahi Trading company has many branches which deals with different customers where a branch may be trading with at least one customer, and may be trading with many customers. A customer may trade with many branches, or may not be trading with any at all.

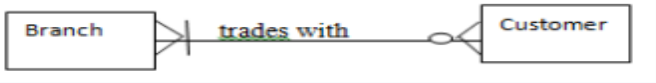
Identify the ER diagram specific to the above scenario:

Select one:

a. 

b. 

c. 

d. 

Question 46

Not yet answered

Marked out of 1.00

Flag question

_____ is a centralized knowledge base for all data definitions, data relationships, screen and report formats, and other system components.

Select one:

- a. DBMS
- b. Repository
- c. CASE Tools
- d. User Interface

Question 47

Not yet answered

Marked out of 1.00

Flag question

In sequential file organization, there is no waste of storage space.

Select one:

- a. False
- b. True

Question 48

Not yet answered

Marked out of 1.00

Flag question

It is a file organization technique where records in the file are stored in sequence according to the primary key value

Select one:

- a. Sequential file organization
- b. Hashed file organization
- c. Heap file organization
- d. Indexed file organization

Question 49

Not yet answered

Marked out of 1.00

Flag question

A Manager manages many employees or may not manage any employee. The cardinality between manager and employee is:

Select one:

- a. One mandatory
- b. optionally many
- c. atleast
- d. None of the above

Question 50

Not yet answered

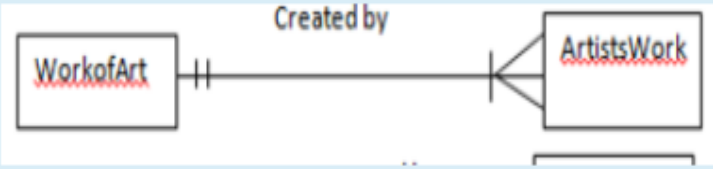
Marked out of 1.00

Flag question

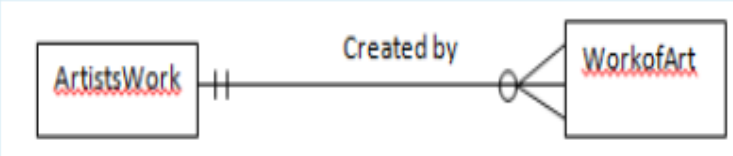
An art museum owns a large volume of works of art. A work of art is created by one or more artists, but the artist for some works is unknown. An artist may create only one art. Identify the ER diagram specific to the above scenario:

Select one:

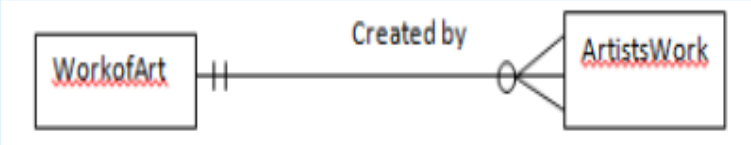
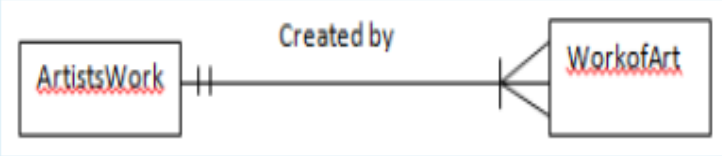
a.



b.



c.



d.